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**IEEE ADVANCES DELIVERY OF 100 GB/S-Gb/s ETHERNET WITH LAUNCH OF
IEEE P802.3bj™-3bj TASK FORCE**

~~New group-Group~~ to ~~explore definitions and parameters~~ develop new standard for Ethernet operations over backplanes and copper cables ~~to enable~~, enabling lower-cost, higher-density 100 Gb/s solutions

PISCATAWAY, N.J., USA, [DATE] – The IEEE, has approved work to begin on a new amendment to the world's largest professional association advancing technology for humanity, ~~today announced the launch of its new IEEE P802.3bj™ Task Force. Aimed at expanding infrastructures needed to support the next generation of high-rate~~ 802.3™ Ethernet speeds, ~~the group standard that~~ will ~~define physical layers (PHYs) for~~ serve to enhance the 100 Gb/s Ethernet ~~operations~~ physical layer (PHY) capabilities defined in IEEE Std 802.3ba™-2010. The IEEE P802.3bj project aims to specify 100Gb/s operation over backplanes and short-reach copper cable assemblies. When finalized, the new specifications will help facilitate to enable the development and delivery of lower-cost, higher-density 100Gb/s solutions.

“From the challenges of ever-increasing front-panel capacities to continuing advances in processors, high-performance computing, and server virtualization technologies, the ability of systems to meet spiraling bandwidth demands remains ~~problematic~~ challenging,” said John D’Ambrosia, chair, IEEE P802.3bj Task Force and ~~chief~~ Chief Ethernet ~~evangelist~~ Evangelist, CTO Office, ~~Force10 Networks. Dell.~~ “By expanding on the solid foundational standards work already ~~underway, the~~ completed, IEEE P802.3bj ~~Task Force~~ will ~~help prevent potential~~ provide better options for system designers to minimize or eliminate the bandwidth bottlenecks ~~and ensure the robust frameworks needed to support 100Gb/s Ethernet are ready and available~~ facing end-users.”

With the launch of the ~~task force~~ Task Force, members are ready to begin collaboratively defining four-lane, 25Gb/s electrical signaling architectures ~~for backplane operations that will support 100 Gb/s Ethernet operation across backplanes~~ up to ~~a minimum of~~ one meter in length, and copper cable operations up to at least five meters in length. Additionally Furthermore, IEEE P802.3bj will be ~~designed for maximum upstream and downstream~~

~~compliance and compatibility~~ compatible with ~~other existing~~ IEEE 802.3x ~~standards and technologies~~ 3 installations.

~~With Ethernet emerging as one of the most preferred backplane solutions for applications like modular servers and telecom networks, and over~~ Ethernet backplane technology is increasingly used to interconnect modular servers, telecom network modules and other data center devices. Similarly, Ethernet using twinaxial copper cables ~~for~~ provides both intra- and inter-rack connections. IEEE P802.3bj will enable users to stay apace of rapidly increasing bandwidth demand. ~~By facilitating higher speeds and greater densities, it will have broad implications for various purposes and settings, such as blade servers and data centers. The task force has already achieved support and consensus from.~~ Task Force is supported by a diverse array of stakeholders, including semi-conductor, server, and network storage device manufacturers, component vendors, and telecommunications carriers.

“The industry and ~~consumers~~ users alike are looking for ~~innovative~~ creative, forward-looking solutions that will allow them to leverage ~~both~~ today’s ~~cutting-edge technologies as well as those frontier technologies~~ technology innovations, such as 100Gb/s Ethernet ~~and beyond, that are still emerging,~~” said David Law, chair, IEEE 802.3 Working Group and distinguished engineer, HP Networking. ~~“As we continue forward with the next generation of Ethernet technologies and speeds, the breadth and depth of knowledge, resources, expertise, and leadership that are the hallmarks of IEEE will be critical to their success.”~~ “The resources, expertise and leadership that are the hallmarks of IEEE will be fundamental to developing the IEEE P802.3bj enhancements to 100 Gb/s Ethernet operation another important step in the continuing evolution of Ethernet to higher speeds and capabilities.”

For more information about the IEEE P802.3bj Task Force, please visit <http://www.ieee802.org/3/100GCU/index.html>. To learn more about IEEE-SA visit us on Facebook at <http://www.facebook.com/ieeesa>, follow @ieeesa on Twitter, or connect with us on the Standards Insight Blog at <http://www.standardsinsight.com>.

About the IEEE Standards Association

The IEEE Standards Association, a globally recognized standards-setting body within the IEEE, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of over

900 active standards and more than 500 standards under development. For more information visit <http://standards.ieee.org/>.

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